R/V DAN MOORE STATION LOG

VESSEL (1)	STATION (2-5)	CRUISE NO. (6-8)	MO. DAY YEAR (9-14)	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	3449	039	02 14 78	24AL	3459	7607

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0004	05	05	07	986	Y	NW	20

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
5	FG	SA	E	FT	151	-	12	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00014	0000	0000	00000

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H6	3W1			PO	DO
START	34°59'	76°07'	1407	4856	4		1146	1147
							PU	ON
FINISH	35°00'	76°05'	1382	4853	5		1217	1219

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
50	1300 2 / 5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Positive Anadromous

3 Bluebback, 17 Alewife, 14 Am. Shad

FIN	CRUST	SHELL	OTHER
14.5	0	0	0

R/V DAN MOORE SPECIES LIST

STA. NO. 3449 DATE 14Feb 19 78 BIOLOGISTS BFH SOK TWA CL.

TOT. CATCH WT. 14.5 AIR 7°C SURFACE 5.2°C BOTTOM 5.3°C

SAMPLE WT. — RAISING FACTOR — GRID 24AL

		SUBSAMPLE		TOTAL			
SPECIES	C or NC	NUMBER	WEIGHT	NO.	WT.	$\bar{X}$ WT	REMARKS
Anchoa mitchilli		numerous		—	3	<0.1	
Alosa pseudoharengus				17	9.5	0.6	
Alosa sapidissima				14	1.0	<0.1	
Brevoortia tyrannus				19	0.75	<0.1	
Alosa aestivalis				3	0.25	<0.1	

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LENGTH – FREQUENCY DISTRIBUTION

SPECIES: Alosa aestivalis

DATE: 2/14/78

STATION: 3449

LOCALITY: Area III 24HL

T.L.	♂	♀	JUV
50-59.9			
60-			
70-			
80-			1 (non gravid)
90-			
100-			
110-			
120-			
130-			
140-		1	
150-			
160-			
170-	1		
180-			
190-			
200-			
210-			
220-			
230-			
240-			
250-			
260-			
270-			
280-			
290-			
300-			
310-			
320-			
330-			
340-			
350-			
360-			
370			
380-			
390-			
400-			
410-			
420-			
430-			
440-			
450-			
460-			
470-			
480-			
490-			
500-			
510-			
520			
530-			
540-			

T.L.
550-
560-
570-
580-
590-
600-
610-
620-
630-
640-
650-
660-
670-
680-
690-
700-
TOTAL

N=3

range ♂ 1 170

♀ 1 149

non gravid JUV 1 84

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: Alosa sapidissima — STATION: 3449 - 3452

DATE: FEB 78 — MASTER — LOCALITY: TOTAL AREA

T.L.	♂	♀	UNSEX	COMB	T.L.
50-59.9					550-
60-					560-
70-					570-
80-					580-
90-					590-
100-					600-
110-					610-
120-	2		5	7	620-
130-	3	1	3	7	630-
140-	4	1		5	640-
150-	3	1	1	5	650-
160-	1		1	2	660-
170-					670-
180-					680-
190-					690-
200-					700-
210-					
220-		1		1	
230-	1	3		4	TOTAL
240-	3	2		5	
250-	1	2		3	
260-		1		1	
270-	1			1	
280-					
290-	N=19	N=12	N=10	N=41	
300-					
310-					
320-					
330-					
340-					
350-					
360-					
370					
380-					
390-					
400-					
410-					
420-					
430-					
440-					
450-					
460-					
470-					
480-					
490-					
500-					
510-					
520					
530-					
540-					

JUV	AREA	N	RANGE
	III	4	108 - 109
	IV	29	87 - 120
TOTAL	JUV	33	87 - 120

♂	N=19	RANGE	122 - 271
♀	N=12	"	139 - 261
UNSEX	N=10	"	122 - 160
COMB	N=41	"	122 - 271

PAGE ___ OF ___

H - FREQUENCY DISTRIBUTION

CRUISE: [illegible]

DATE: FEB 72

STATION: 3449 - 3452

LOCALITY: [illegible]

T. L.	♂	♀	UNID	COMB	T. L.	SEX	STATION	N	CLASSES
50-59.9					550 -		3449	1	104
60 -					560 -		3450	1	[illegible]
70 -					570 -		[illegible]	1	[illegible]
80 -					580 -		3452	1	104
90 -					590 -				
100 -					600 -	TOT	TOTAL	10 4	104 - 109
110 -					610 -				
120 -	2		2	4	620 -				
130 -	3			3	630 -				
140 -	4			4	640 -				
150 -	3			3	650 -				
160 -	1		1	2	660 -				
170 -					670 -				
180 -					680 -				
190 -					690 -				
200 -					700 -				
210 -									
220 -									
230 -					TOTAL				
240 -						♂	N = 13	122 - 169	
250 -	N = 13		N = 3	N = 16		♀	N = 0		
260 -						UNID	N = 3	122 - 160	
270 -						COMB	N = 16	122 - 169	
280 -									
290 -									
300 -									
310 -									
320 -									
330 -									
340 -									
350 -									
360 -									
370 -									
380 -									
390 -									
400 -									
410 -									
420 -									
430 -									
440 -									
450 -									
460 -									
470 -									
480 -									
490 -									
500 -									
510 -									
520									
530 -									
540 -								PAGE — OF —	

FORM II - FREQUENCY DISTRIBUTION

SPECIES: *Alosa sapidissima*

STATION: 3449

DATE: 2/14/78

LOCALITY: ALOSA III 24HL

T. L.	♂	♀			T. L.				
50-59.9					550 -				
60 -					560 -	JUV	N=1	RANGE	108
70 -					570 -		NON QUANTITATIVE		
80 -					580 -				
90 -					590 -				
100 -					600 -				
110 -					610 -				
120 -	II (2)				620 -				
130 -	III (3)				630 -				
140 -	IIII (4)				640 -				
150 -	III (3)				650 -				
160 -	I (1)				660 -				
170 -					670 -				
180 -	N=13				680 -				
190 -					690 -				
200 -					700 -				
210 -									
220 -									
230 -					TOTAL				
240 -						♂ N=13	RANGE	122-160	
250 -									
260 -						♀ N=0			
270 -									
280 -									
290 -									
300 -									
310 -									
320 -									
330 -									
340 -									
350 -									
360 -									
370									
380 -									
390 -									
400 -									
410 -									
420 -									
430 -									
440 -									
450 -									
460 -									
470 -									
480 -									
490 -									
500 -									
510 -									
520									
530 -									
540 -								PAGE ___ OF ___	

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: Alosa pseudoharengus

STATION: 3449

DATE: 2/NOV 73

LOCALITY: Hren III 24NL

T.L.	♂	♀	UNSEX	TOTAL	T.L.
50-59.9					550 -
60 -					560 -
70 -					570 -
80 -					580 -
90 -					590 -
100 -					600 -
110 -					610 -
120 -	1	1		2	620 -
130 -					630 -
140 -					640 -
150 -					650 -
160 -					660 -
170 -					670 -
180 -					680 -
190 -					690 -
200 -					700 -
210 -					
220 -					
230 -	1			1	TOTAL
240 -	1			1	
250 -					
260 -					
270 -					
280 -	N=3	N=1		N=4	
290 -					
300 -					
310 -					
320 -					
330 -					
340 -					
350 -					
360 -					
370					
380 -					
390 -					
400 -					
410 -					
420 -					
430 -					
440 -					
450 -					
460 -					
470 -					
480 -					
490 -					
500 -					
510 -					
520					
530 -					
540 -					

NON-SUMMIT JUVS.
N= 13 RANGE 87 - 120

♂ N= 3 RANGE 124 - 247
♀ N= 1 RANGE 123

PAGE ___ OF ___

Species: Alo[illegible] ti[illegible]

STATION: 344?
GRID: 24AL
DATE: 14[illegible]

Specimen #	FORK LENGTH (MM)	SEX	SCALES OR OTOLITHS	AGE	SPAWNING MARKS	REMARKS
1	121	♀	2			[illegible]
2	94	♀				
3	2[illegible]	♀				Area III
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						Preb[illegible]
15						
16						
17						
18						
19						
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44						
45						
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47						
48						
49						
50						

Species: [illegible]

STATION: [illegible]
GRID: [illegible]
DATE: [illegible]

Specimen #	FORK LENGTH (MM)	SEX	SCALES OR OTOLITHS	AGE	SPAWNING MARKS	REMARKS
1	[illegible]	[illegible]				Non-gravid [illegible]
2	[illegible]	[illegible]				
3	[illegible]	[illegible]				Area D
4	[illegible]	[illegible]				
5	[illegible]	[illegible]				
6	[illegible]	[illegible]				
7	[illegible]	[illegible]				
8	[illegible]	[illegible]				
9	[illegible]	[illegible]				
10	[illegible]	[illegible]				
11	[illegible]	[illegible]				[illegible]
12	[illegible]	[illegible]				
13	[illegible]	[illegible]				
14	[illegible]	[illegible]				
15	[illegible]	[illegible]				
16	[illegible]	[illegible]				
17	[illegible]	[illegible]				
18						
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22						
23						
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29						
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46						
47						
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49						
50						

Species: *Alosa sapidissima*

STATION: 3449
GRID: 24HL
DATE: 14 Feb '78

Specimen #	Fork Length (mm)	Sex	Scales or Otoliths	Age	Spawning Marks	Remarks
1	139	♂	Im			Non-quantitative
2	130	♂	"			
3	147	♂	"			Area III
4	122	♂	"			
5	150	♂	"			
6	136	♂	"			
7	144	♂	"			
8	148	♂	"			
9	128	♂	"			
10	149	♂	"			
11	169	♂	"			Anchovy
12	153	♂	"			
13	156	♂	"			
14	108	♂	"			
15						
16						
17						
18						
19						
20						
21						
22						
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